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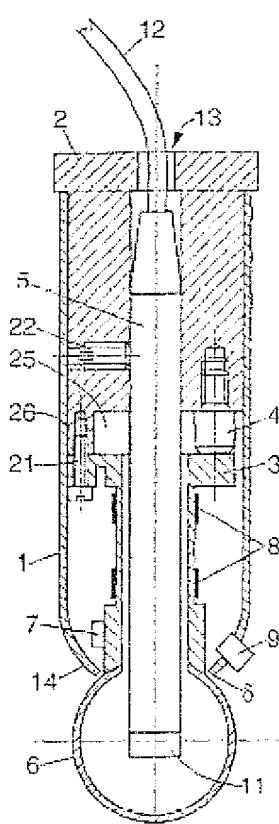
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(54) Title: TRIBOACOUSTIC SENSOR

(54) Titre : SONDE TRIBO ACOUSTIQUE

(57) Abstract: The invention relates to a sensor for the quantitative measurement of the feel of a surface, comprising a prehensile envelope, a hollow contact body for bringing into contact with the surface on a sensing zone, first acoustic detection elements to detect noises emitted by the hollow body on contact with the sensing zone, second mechanical detection elements embodied for measurement of the normal pressure or the normal pressure and the rubbing force exerted by the surface on the hollow body. The above is of application in the measurement of the tribocooustic properties of the skin or phanera, textiles, leather, plastic materials or any other material for which the an appreciation of the feel thereof is important.

(57) Abrégé : La présente invention concerne une sonde pour la mesure quantitative du toucher d'une surface, comprenant une enveloppe préhensible, un corps creux de contact destiné à être en contact avec la surface sur une zone de sondage, des premiers éléments de détection acoustique pour détecter des bruits émis par le corps creux lors de son contact avec la zone de sondage, des deuxièmes éléments de détection mécaniques agencés pour mesurer l'effort normal ou la pression normale et l'effort de frottement exercés par la surface sur le corps creux. Elle trouve son application pour la mesure des propriétés tribo-acoustiques de la peau et des phanères, de tissus, du cuir, des matériaux plastiques, ou de tout autre matériau pour lequel l'appreciation du toucher est importante.



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